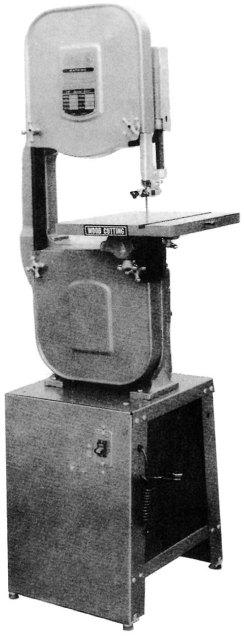
CENTRAL MACHINERY®

14” WOOD BANDSAW
WITH DUST CHUTE

Models 32208/ 32206

SET UP AND OPERATING INSTRUCTIONS



Diagrams within this manual may not be drawn proportionally.
Due to continuing improvements, actual product may differ slightly from the product described herein.

Distributed Exclusively by Harbor Freight Tools®.

3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: http://www.harborfreight.com

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

For technical questions or replacement parts, please call 1-800-444-3353.

Manual revised 11h

CONTENTS

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠DANGER **DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.**

⚠WARNING **WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.**

⚠CAUTION **CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.**

NOTICE **NOTICE is used to address practices not related to personal injury.**

CAUTION **CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.**

General Tool Safety Warnings

WARNING Read all safety warnings and instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*
Save all warnings and instructions for future reference.

1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
5. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH			
	25'	50'	100'	150'
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	Do not use.	

TABLE A

9. USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

10. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.

11. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

12. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.

13. DON'T OVERREACH. Keep proper footing and balance at all times.

14. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

15. DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and the like.

16. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.

17. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.

18. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.

19. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

20. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

Bandsaw Safety Warnings

1. For Your Own Safety Read Instruction Manual Before Operating Saw.
2. Wear eye protection.
3. Do not remove jammed cutoff pieces until blade has stopped.
4. Maintain proper adjustment of blade tension, blade guides, and thrust bearings.
5. Adjust upper guide to just clear workpiece.
6. Hold workpiece firmly against table.
7. For safe operation, the upper blade guide, the blade tension, and the thrust bearing must all be properly adjusted before operation. Carefully follow the **ASSEMBLY** instructions (starting on page 9), and specifically **PHASE 8: Saw Blade Installation** (starting on page 19), for an explanation of how to make the needed adjustments.
8. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.
9. When servicing use only identical replacement parts.
10. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.
11. **The included motor wiring terminals are designed to reduce the risk of improper wiring; DO NOT MODIFY, REPLACE OR FORCE THE TERMINALS.**
12. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
13. Avoid unintentional starting. Prepare to begin work before turning on the tool.
14. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should:
    • Avoid operating alone.
    • Do not use with power switch locked on.
    • Properly maintain and inspect to avoid electrical shock.
    • Any power cord must be properly grounded. Ground Fault Circuit Interrupter (GFCI) should also be implemented – it prevents sustained electrical shock.
15. Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contains chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
    • Lead from lead-based paints
    • Crystalline silica from bricks and cement or other masonry products
    • Arsenic and chromium from chemically treated lumber
    Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out

microscopic particles. (California Health & Safety Code § 25249.5, *et seq.*)

16. WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)

17. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

3. Wear suitable gloves to reduce the vibration effects on the user.

4. Use tools with the lowest vibration when there is a choice between different processes.

5. Include vibration-free periods each day of work.

6. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

SAVE THESE INSTRUCTIONS.

GROUNDING INSTRUCTIONS

⚠WARNING **TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION**
READ AND FOLLOW THESE INSTRUCTIONS:

Grounded Tools: Tools with Three Prong Plugs

1. In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

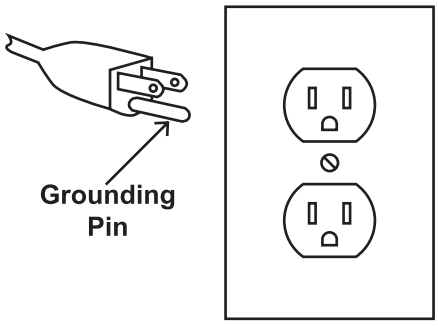
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

3. Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

4. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.

5. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

6. Repair or replace damaged or worn cord immediately.



125 V~ 3-Prong Plug and Outlet
(for up to 125 V~ and up to 15 A)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 V~ 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 V~ 3-Prong Plug and Outlet**.

8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.

9. Do not use an adapter to connect this tool to a different outlet.

SPECIFICATIONS

Weight	160 lb. (Model 32206)
	180 lb. (Model 32208)
Blade Speeds	3000 FPM (Model 32206)
	600, 1140, 1670, 2670 FPM (Model 32208)
Motor	1 HP / Single Phase
Electrical Requirements	110 V~ / 9 A
Cutting Capacity	6”
Blade Width Range	1/8” to 3/4”
Table Dimensions	Approx. 14” x 14”
Table Tilt	45° Right / 15° Left
Dust Collector Accessory	Dust Chute Attachment Only (Dust Bag Not Provided)

Optional Accessories

Riser Block Kit - Item 09645

Rip Fence - Item 45907

Note: Availability of these accessories may vary. Contact Harbor Freight Tools at the number at the bottom of this page for availability information.

UNPACKING

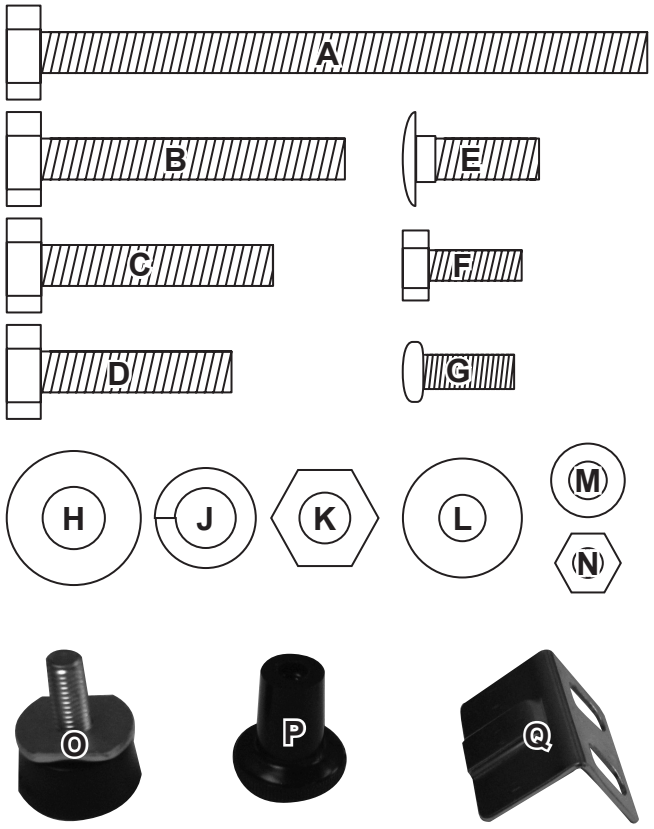
When unpacking, check to make sure all parts shown on the Parts Lists are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

Some parts are shipped with a rust preventing coating. Clean this coating off before assembly and use.

Hardware Bag Contents

Note: Hardware sizes illustrated below are offered only as a guide and are approximate.

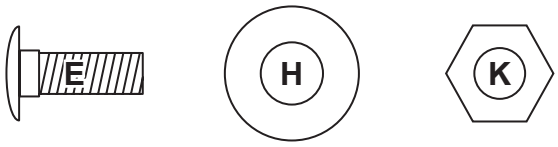
Letters given below are for assembly purposes only. Part numbers on the parts lists at the end of this manual should be used for ordering parts.



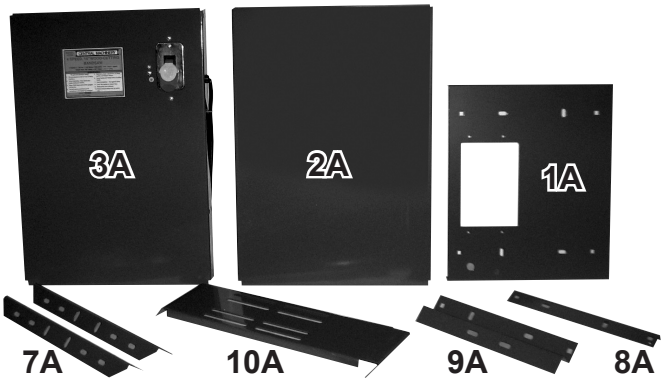
Letter	Description	Phase	Q’ty
A	M8 x 80 Table Stop Bolt	5	1
B	M8 x 40 Bolt	3	4
C	M8 x 30 Bolt	5	2
D	M8 x 25 Bolt	4	4
E	M8 x 16 Carriage Bolt	1	24
F	M6 x 12 Bolt	6	1
G	M5 x 15 Pan Head Bolt	6	4
H	M8 Washer	1,2,3,4	44
J	M8 Lock Washer	3,4,5	10
K	M8 Nut	1,2,3,4,5	37
L	M6 Washer	6	1
M	M5 Washer	6	8
N	M5 Nut	6	4
O	Foot Assembly	2	4
P	Pulley Cover Knob	6	1
Q	Foot Bracket	2	4

ASSEMBLY

PHASE 1: Stand Assembly



Required Hardware		
Letter	**Description**	**Q'ty (for this phase)**
E	M8 x 16 Carriage Bolt	24
H	M8 Washer	24
K	M8 Nut	24



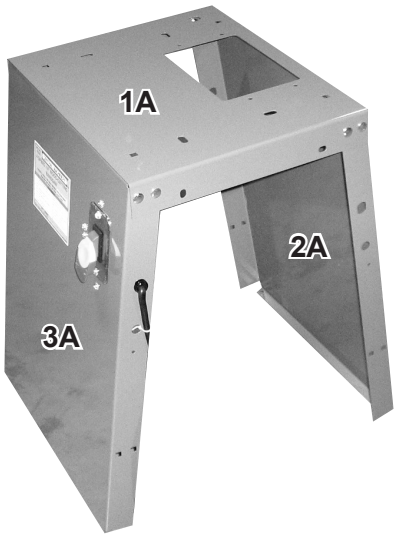
Stand Part Identification		
Part	**Description**	**Q'ty**
1A	Mounting Plate	1
2A	Rear Panel	1
3A	Front Panel Assembly	1
7A	Horizontal Brace	2
8A	Brace	1
9A	Motor Plate Bracket	1
10A	Motor Plate	1

Note: During this phase, finger tighten all Nuts to allow adjustment and leveling. All connections in this phase are made with one Carriage Bolt (E) going through the connection from the outside then being secured with a Washer (H) and Nut (K).

FIGURE FOR STEP 1-1

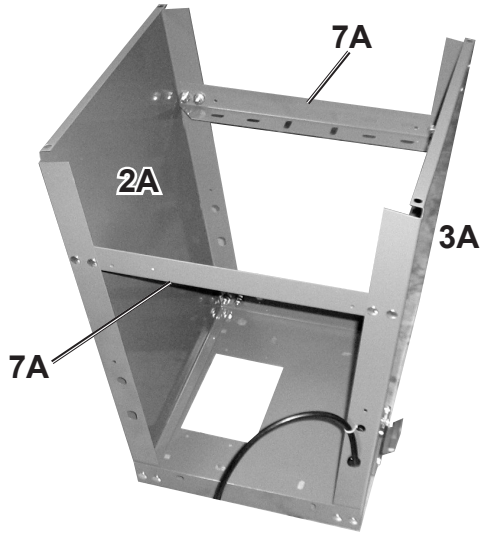
1. Assemble the Mounting Plate (1A) to the four square holes at the top of the Front Panel (3A) assembly as shown above. The Mounting Plate must be turned as shown above, with the hole away from the Front Panel.

FIGURE FOR STEP 1-2



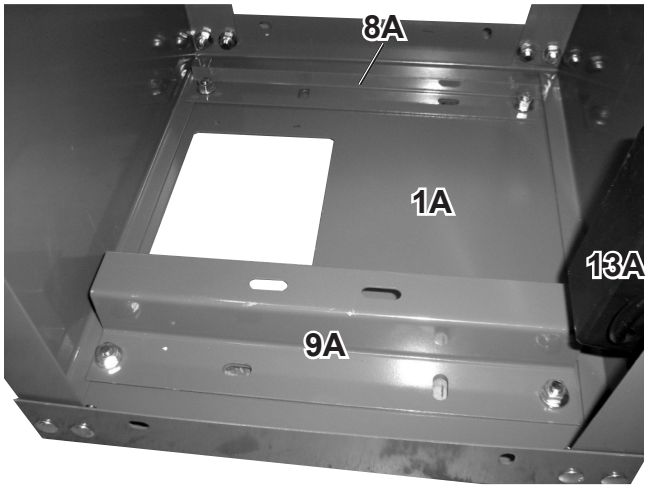
2. Assemble the Rear Panel (2A) to the Mounting Plate (1A) in the same way. The Stand should look like the illustration above.

FIGURE FOR STEP 1-3



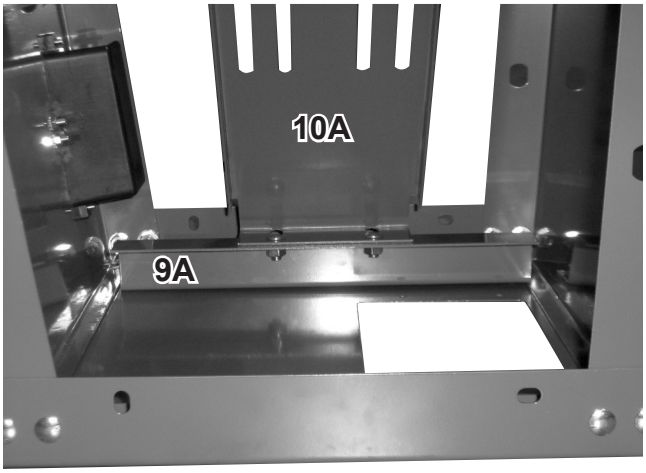
3. Attach the two Horizontal Braces (7A) inside the flanges on the Front and Rear Panels (3A, 2A).

FIGURE FOR STEP 1-4



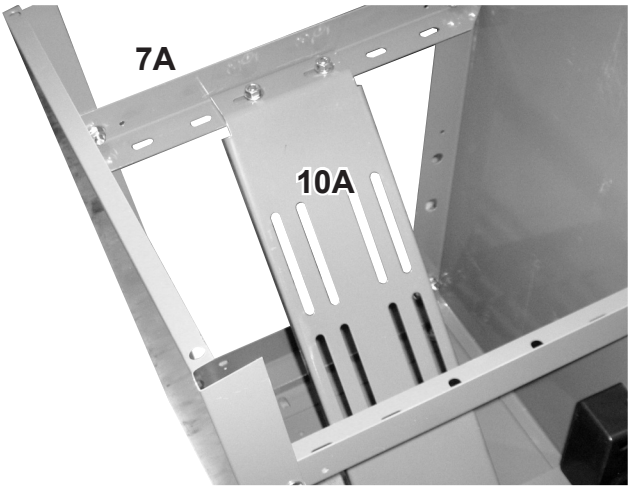
4. Attach the Motor Plate Bracket (9A) to the front of the Mounting Plate (1A) with the raised section of it towards the center. The Motor Plate Bracket (9A) should be near the Switch Cover (13A) as shown above.
   Attach the Brace (8A) under the Mounting Plate (1A) toward the rear as shown.

FIGURE FOR STEP 1-5



5. Attach the Motor Plate (10A) to the Motor Plate Bracket (9A). Connect the end that is folded back on itself.

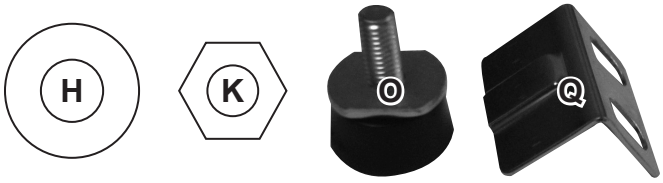
FIGURE FOR STEP 1-6



6. Attach the other end of the Motor Plate (10A) to the Horizontal Brace (7A).

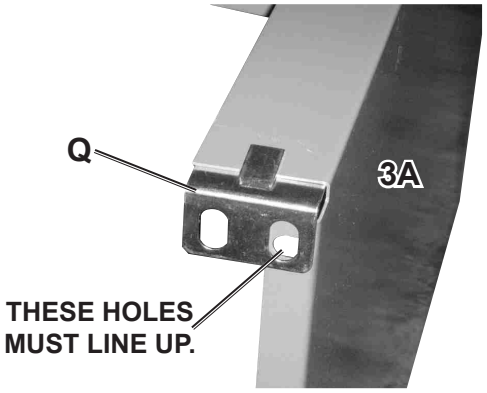
7. Make sure the stand rests square on the floor and that the Mounting Plate (1A) is level. Then, ***wrench tighten*** all Nuts from phase 1 securely.

PHASE 2: Foot Assembly



Required Hardware		
Letter	**Description**	**Q'ty (for this phase)**
H	M8 Washer	4
K	M8 Nut	4
O	Foot Assembly	4
Q	Foot Bracket	4

FIGURE FOR STEP 2-1

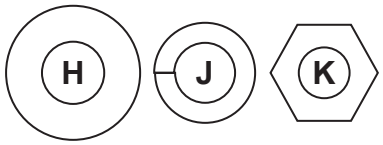


1. Press a Foot Bracket (Q) over each corner of the Front and Rear Panels (3A, 2A). One of the holes in the Bracket should line up with the hole in the corner of the Panel as shown.

FIGURE FOR STEP 2-2

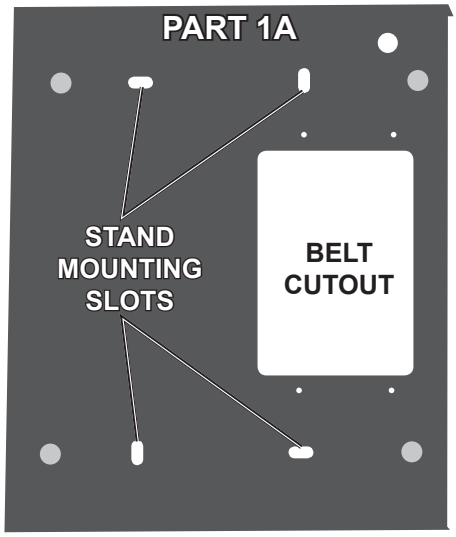
2. Insert a Foot Assembly (O) through each Foot Bracket (Q) and Panel (3A, 2A). Secure with Washer (H) and Nut (K).

PHASE 3: Bandsaw Body to Stand Assembly



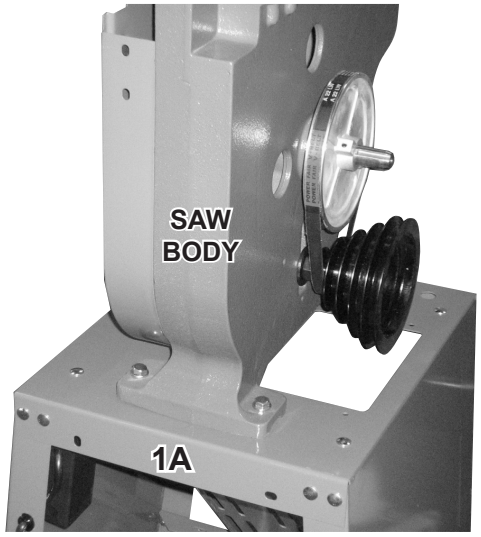
Required Hardware		
Letter	**Description**	**Q'ty (for this phase)**
B	M8 x 40 Bolt	4
H	M8 Washer	8
J	M8 Lock Washer	4
K	M8 Nut	4

FIGURE FOR STEP 3-1



1. Align the Saw Body with the Stand before lifting it. The Pulley(s) need to align over the belt cutout and the four bolt holes must line up with the stand mounting slots, as shown above.

FIGURE FOR STEP 3-2 **(32208 shown)**



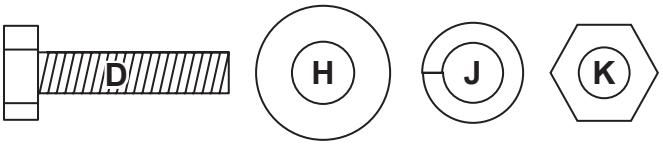
2. With at least one assistant, set the Bandsaw Body on the Stand. Make sure that the holes in the Body line up with the slots in the stand and that the pulley lines up over the belt cutout as shown above.

3. Insert the four Bolts (B) through one Washer (H) each and into the holes in the Saw Body from the top.

4. Attach each Bolt (B) using a Washer (H), Lock Washer (J), and Nut (K). Leave the hardware only finger tight.

5. Measure to verify that the saw body is properly aligned to the stand. Make needed adjustments, then wrench tighten the hardware.

PHASE 4: Motor to Stand Assembly



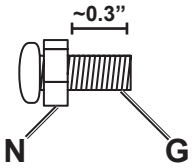
Required Hardware		
Letter	**Description**	**Q'ty (for this phase)**
D	M8 x 25 Bolt	4
H	M8 Washer	8
J	M8 Lock Washer	4
K	M8 Nut	4

Pulley Mounting

1. Remove the tape securing the key to the shaft of the Motor (11A). Set the key aside.

Note: The 32208, 4-Speed Bandsaw, uses a different pulley arrangement than the 32206, Single-Speed Bandsaw. The illustrations in this manual show the 4-Speed Bandsaw (32208).

FIGURE FOR STEP 4-2 **For SKU 32208 only**

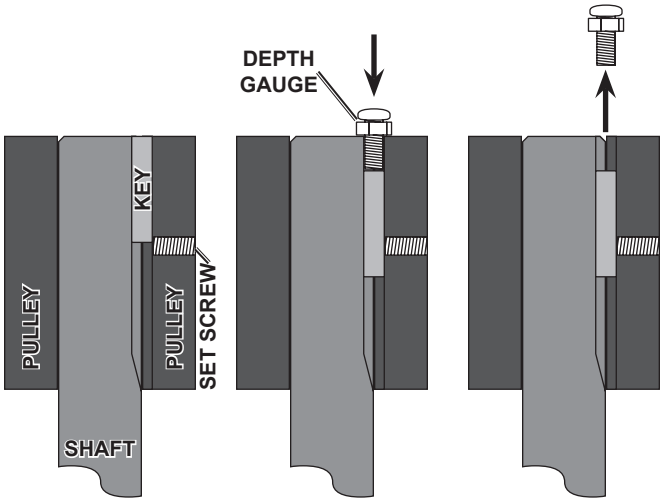


2. (Step for 32208 only.) The key for this saw's Motor shaft will need to be offset by about 0.3" from the end of the shaft to allow the Set Screw to function properly. To assist in this, thread a M5 Nut (N) all the way onto a M5 x 15 Pan Head Bolt (G) for temporary use as a depth gauge.

FIGURE FOR STEP 4-3

3. Slide the Pulley (1C/3D) over the end of the Motor (11A) shaft, larger end first. Line up the key slots in both the Pulley and the shaft. Slide the key into the key slots. Align the end of the Pulley, key, and shaft with one another. The Pulley will need to be held in position for now.

FIGURE FOR STEP 4-4 **For SKU 32208 only**
(Cutaway view.)



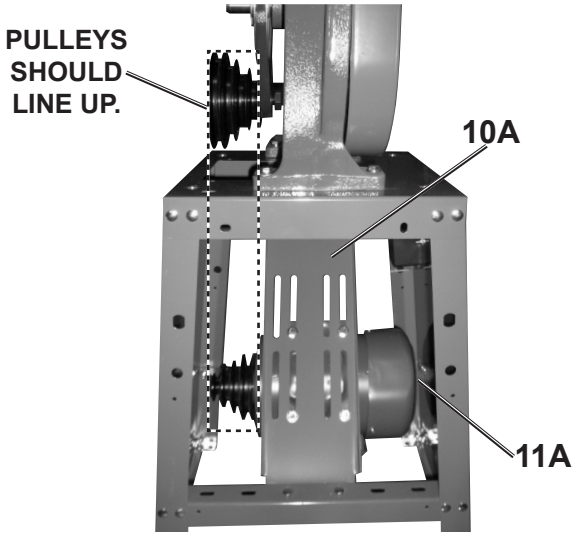
4. (Step for 32208 only.) Hold the Pulley in place and insert the depth gauge you made in step 4-2 (Bolt (G) and Nut (N)) into the key slot, pushing the key into position. The depth gauge can now be disassembled and placed with the other hardware.

5. While holding the Pulley in place, tighten the Set Screw (3C/10D) in the side of the Pulley to secure it to the shaft. The Pulley no longer needs to be held in place.

Motor Mounting

6. Have an assistant hold the Motor (11A) in place while it is attached to the Motor Plate (10A).

FIGURE FOR STEP 4-7 **(32208 shown)**



7. There are two sets of slots on the Motor Plate (10A). Line the Motor Pulley (1C/3D) up with the Pulley (23B/1D) above it.

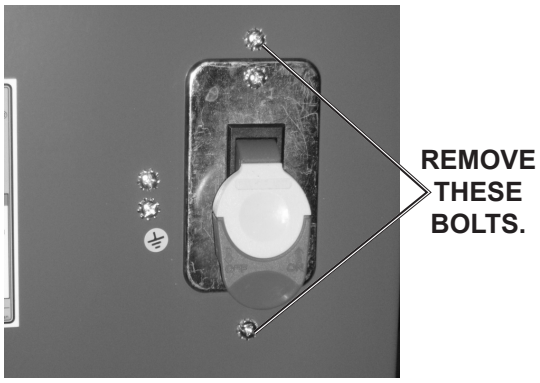
8. Insert a Bolt (D) and Washer (H) through each hole from one side, and secure the Bolt with a Washer (H), Lock Washer (J), and Nut (K). Leave the Nuts snug, but do not tighten them completely yet.

9. Remove the nylon cable tie that secured the Power Cord (14A) during shipment.

Motor Wiring

⚠WARNING TO PREVENT ELECTRIC SHOCK AND DEATH:
Unplug power cord before opening Switch Cover (13A).

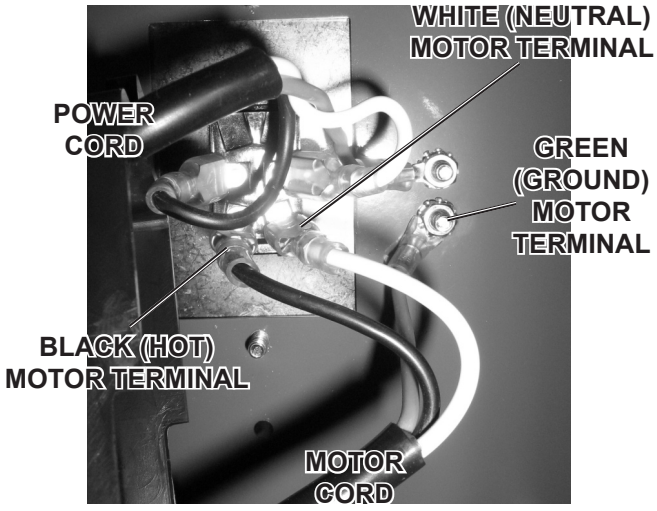
FIGURE FOR STEP 4-10



10. After the power cord is unplugged, remove the Bolts (28A) from above and below the Switch (12A) to release the Switch Cover (13A). Inside the stand, move the Switch Cover slightly to the side to allow access.

11. Insert the motor cord through the hole in the side of the Switch Cover (13A).

FIGURE FOR STEP 4-12



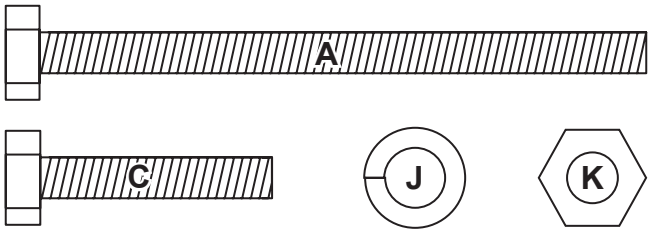
12. The power cord wires are already connected at the top connections (black "hot" wire, white "neutral" wire, and green ground wire). Connect the wires from the motor underneath the wires of the same color, black with black, white with white, and green with green. (The green wire is attached to the screw to the right of the Switch (12A).)

13. **WARNING! TO PREVENT ELECTRIC SHOCK, FIRE AND DEATH:**
It is critical that the GREEN wire is attached to the terminal OUTSIDE the switch box and that ONLY the GREEN wire is attached outside the switch box. The included terminals are designed to reduce the risk of improper wiring; DO NOT MODIFY, REPLACE OR FORCE THE TERMINALS.

If you have any doubt about your ability to connect the motor wires safely and securely, have a certified electrician connect the wiring.

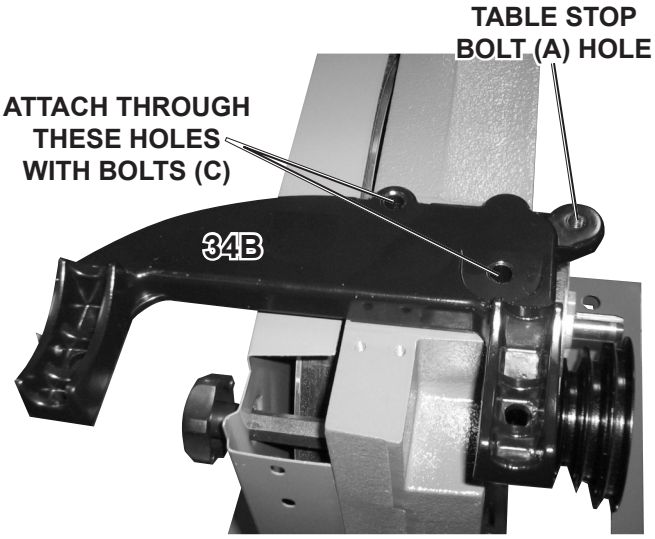
14. After the wiring is properly connected, carefully hold the Switch Cover (13A) in place and secure in place with the Bolts (28A).

PHASE 5: Table Assembly



Required Hardware		
Letter	**Description**	**Q'ty (for this phase)**
A	M8 x 80 Table Stop Bolt	1
C	M8 x 30 Bolt	2
J	M8 Lock Washer	2
K	M8 Nut	1

FIGURE FOR STEPS 5-1 TO 5-3

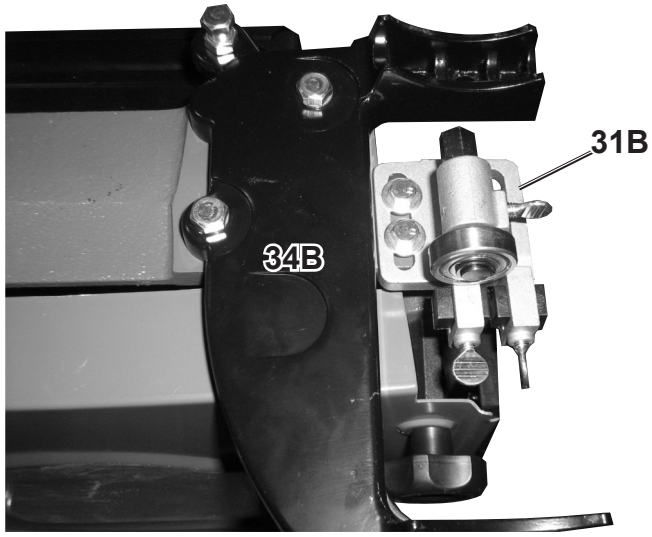


1. Set the Table Bracket (34B) onto the saw body as shown above. Note that the Table Stop bolt hole is on the side with the Pulleys. The saw body has alignment pins pre-installed to align the Table Bracket properly.

2. Secure the Table Bracket to the Saw Body using Bolts (C) and Lock Washers (J) through the holes noted above. Tighten securely in place.

3. Thread the Nut (K) onto the Table Stop Bolt (A). Install the Table Stop Bolt into the hole noted in the figure above.

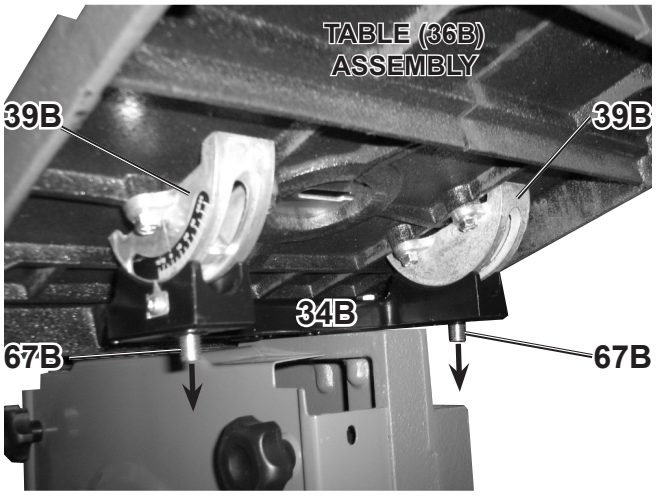
FIGURE FOR STEP 5-4



4. Attach the Lower Guide Support (31B) to the saw body near the Table Bracket (34B). Secure in place with two Bolts (62B) and Washers (75B) as shown above. The hardware for this step is packaged separately from the hardware bag.

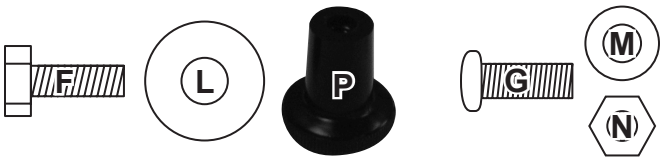
FIGURE FOR STEP 5-5

(Part 31B not shown below.)



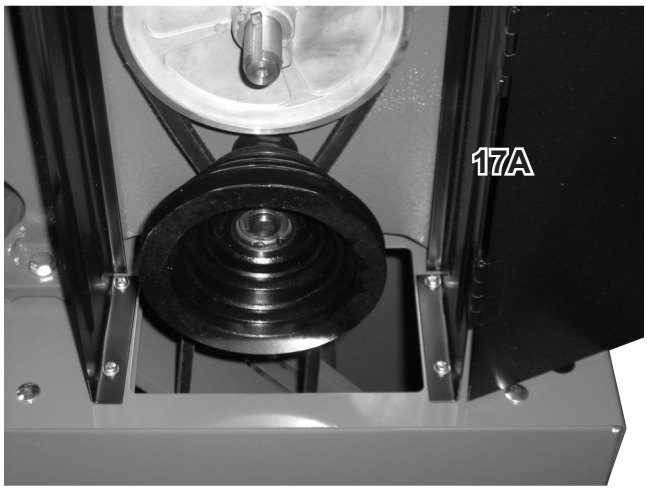
5. Locate the Table (36B) assembly. Note that there are two Bolts (67B) extending out from the bottom of the Trunnions (39B). Insert those two Bolts through the holes in the Table Bracket (34B) as shown above. Secure the Bolts in place using Knobs (15B).

PHASE 6: Pulley Cover Assembly and Belt Installation



Required Hardware		
Letter	**Description**	**Q'ty (for this phase)**
F	M6 x 12 Bolt	1
G	M5 x 15 Pan Head Bolt	4
L	M6 Washer	1
M	M5 Washer	8
N	M5 Nut	4
P	Pulley Cover Knob	1

FIGURE FOR STEP 6-1 **(32208 shown)**



1. Set the Pulley Cover (17A) over the Belt Pulley (23B) as shown above, with the door opening to the outside. Insert a Pan Head Bolt (G) through a Washer (M) and into each of the four holes. Secure the Bolts from underneath using one Washer (M) and Nut (N) each.

2. Secure the Pulley Cover Knob (P) to the door using Bolt (F) and Washer (L) from the other side. **Do not overtighten.**

3. Close the Pulley Cover door temporarily to make sure it closes completely and securely.

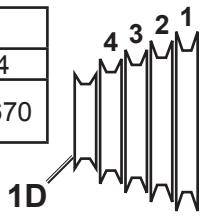
Belt Installation

4. Slide the Motor up towards the top of its rail to allow easy belt installation.

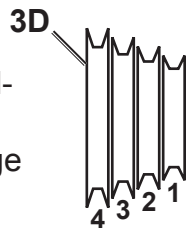
5. (Step for 32206 only.) Slide the V-Belt (2C) over the Motor Pulley (1C) and up over the Belt Pulley (23B).

FIGURE FOR STEP 6-6 **For SKU 32208 only**

Pulley Speed Settings				
Position	1	2	3	4
Output RPM	600	1140	1670	2670



Note: The unnumbered innermost position on the Middle Pulley (1D) should ONLY be used to drive the Belt Pulley (23B, not shown), and should not be used to change speeds.



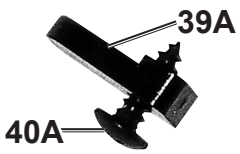
6. (Step for 32208 only.) Using the chart above, choose which speed you would like the blade to operate at initially. Slide the V-Belt (5D) onto the desired Motor Pulley (3D) position. Then slide the Belt up over the Middle Pulley (1D) in the same position.

7. To set the V-Belt (2C/5D) tension, have an assistant pull down on the Motor (11A) and hold it in place to put tension on the Belt. Then test the belt's tension by gently pushing in on it in between pulleys. If it only deflects about 1/2" to 3/4" from straight, then the belt is properly tensioned at that motor position. While the assistant holds the motor at that position, secure the motor in place with the previously loose Bolts (D) and Nuts (K).

8. After tightening, verify that the Motor (11A) and Motor Pulley (1C/3D) are both still properly aligned with the rest of the machine and adjust as needed.

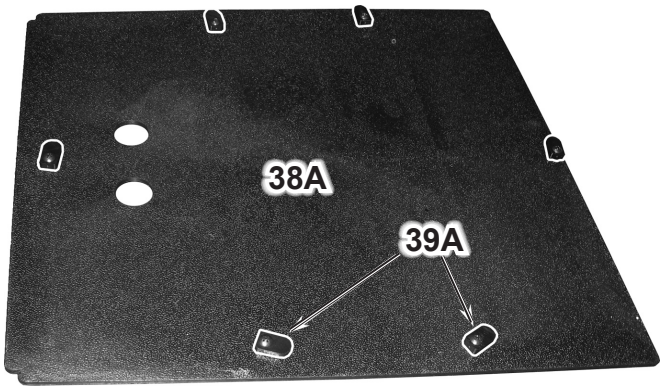
Side Panel Installation

FIGURE FOR STEP 6-9



9. Insert the Screws (40A) into the Relief Stops (39A) **from the flat side** as shown above.

FIGURE FOR STEP 6-10



10. Attach the Relief Stops (39A) to the textured side of the Side Panel (38A) by screwing the Screws (40A) into the mounting holes on the Side Panel. Leave the Screws just loose enough to allow the Relief Stops to turn.

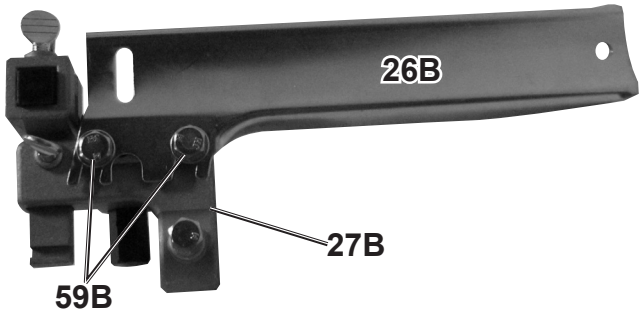
11. Position the Relief Stops (39A) so that the Stops (39A) point towards the center of the Side Panel (38A).

FIGURE FOR STEP 6-9

12. While holding the Side Panel (38A) by the two finger holes, place it inside the side of the Stand as shown above. Rotate the Relief Stops (39A) out and tighten the Screws (40A) to secure the Side Panel in place. Repeat for the other Side Panel.

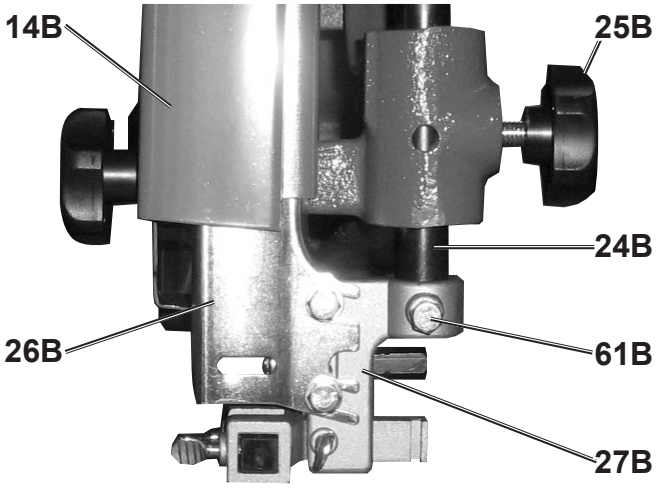
PHASE 7: Upper Guide and Post Cover Assembly

FIGURE FOR STEP 7-1



1. Assemble the Blade Guard (26B) to the Upper Guide Support (27B) as shown above using the two Bolts (59B) already installed in the Support.

FIGURE FOR STEP 7-2

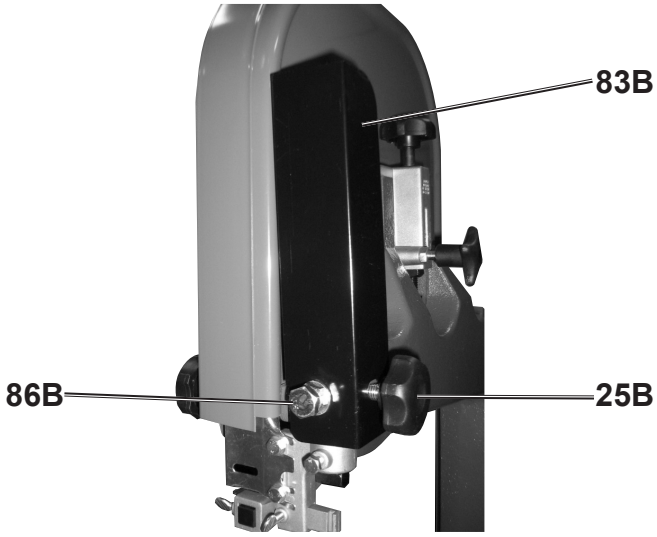


2. Loosen the Bolt (61B) on the side of the Upper Guide Support (27B). Slide the Blade Guard (26B) up into the Upper Pulley Guard (14B) and then the Upper Guide Support (27B) onto the end of the Guide Post (24B). Align the Upper Guide Support (27B) and tighten the Bolt (61B) to secure it.

3. Remove the Bolt (86B), Nut (85B), and Washer (87B) from the Guide Post Cover (83B).

4. Hold the Upper Guide Support (27B) while you remove the Knob (25B). Gently lower the Upper Guide Support.

FIGURE FOR STEP 7-5 TO 7-7



5. Hold the Guide Post Cover (83B) against the Upper Frame Arm (1B) as shown above. Thread the Knob (25B) back into the Upper Frame Arm (1B) through the hole.

6. Thread the Nut (85B), then the Washer (87B) onto the Bolt (86B), then thread the Bolt into the Upper Frame Arm (1B) as shown. Tighten the Nut (85B) against the Guide Post Cover (83B) to secure it in place.

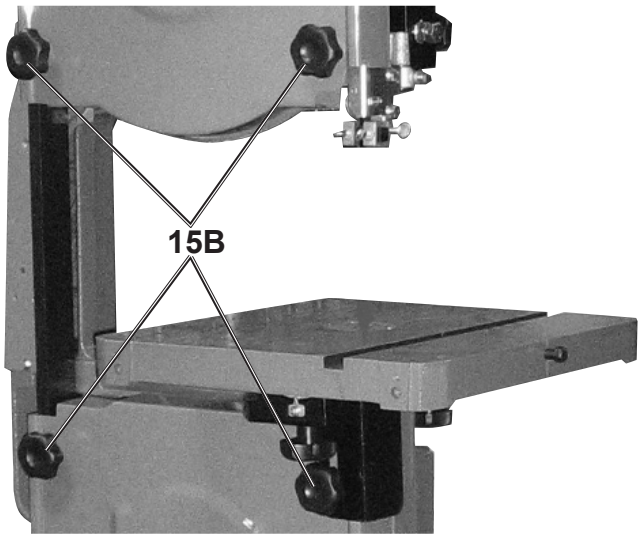
7. Align the Guide Post (24B) if needed and secure in place with the Knob (25B).

PHASE 8: Saw Blade Installation

⚠CAUTION **TO PREVENT INJURY FROM SHARP BLADE:**

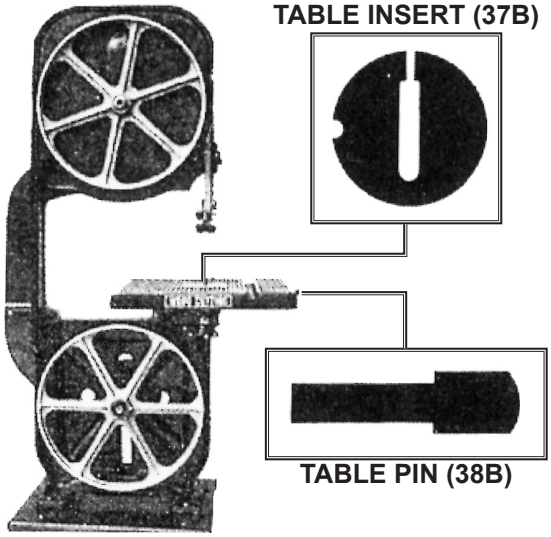
Wear heavy duty work gloves and ANSI-approved safety goggles during assembly, especially when handling blade.

FIGURE FOR STEP 8-1



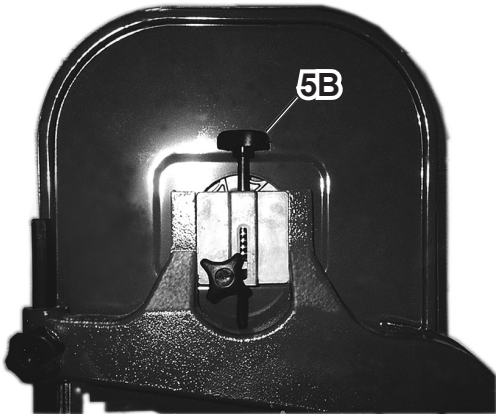
1. Remove the four Knobs (15B) from the Upper and Lower Pulley Guards (14B, 21B). Remove and set aside the Pulley Guards.

FIGURE FOR STEP 8-2



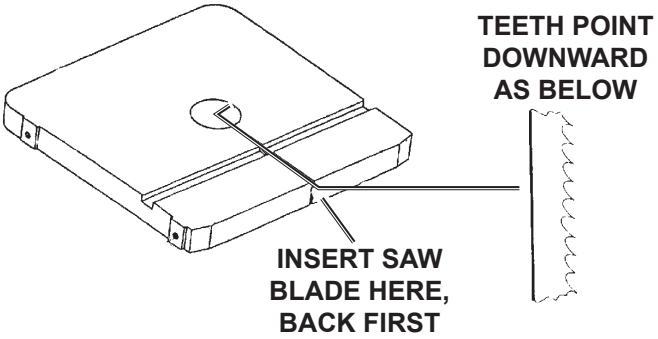
2. Remove the Table Insert (37B) and Table Pin (38B).

FIGURE FOR STEP 8-3



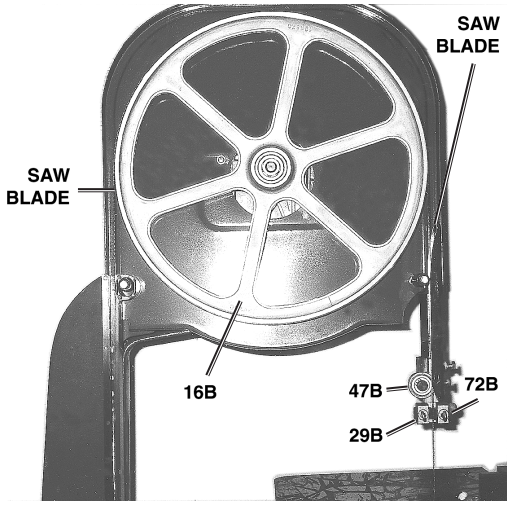
3. Turn the Blade Tension Knob (5B) counterclockwise about 5-10 full turns.

FIGURE FOR STEP 8-4



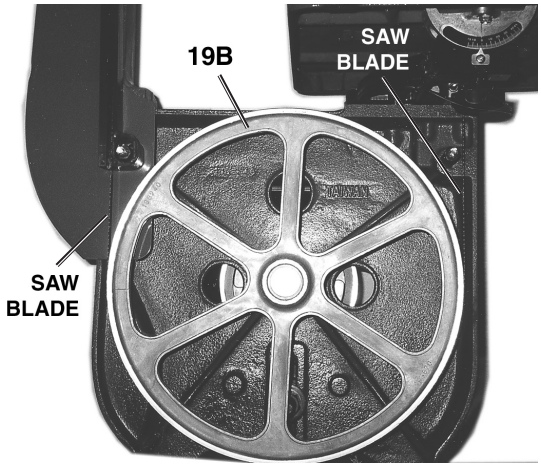
4. With both hands, hold the Saw Blade with its ***teeth pointing downward*** and away from your body. Then, insert the Saw Blade (20B) back side first through the slot in the Table (36B).

FIGURE FOR STEP 8-5



5. Position the Saw Blade (20B) through the upper Blade Guides (29B) and over the Upper Pulley (16B).

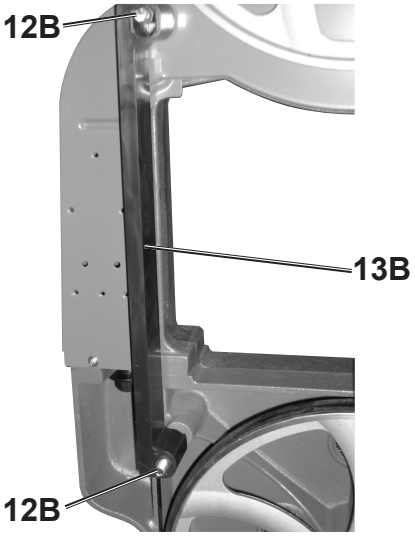
FIGURE FOR STEP 8-6



6. Place the Saw Blade (20B) on the Lower Pulley (19B) and through the lower Blade Guides (32B).

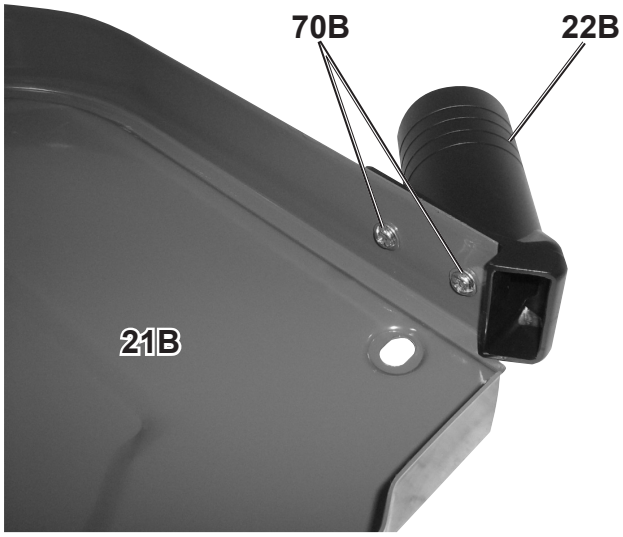
7. Replace the Table Insert (37B) and Table Pin (38B).

FIGURE FOR STEP 8-8



8. Place the Column Blade Guard (13B) onto the two Studs (12B) and over the Saw Blade (20B) as shown above.

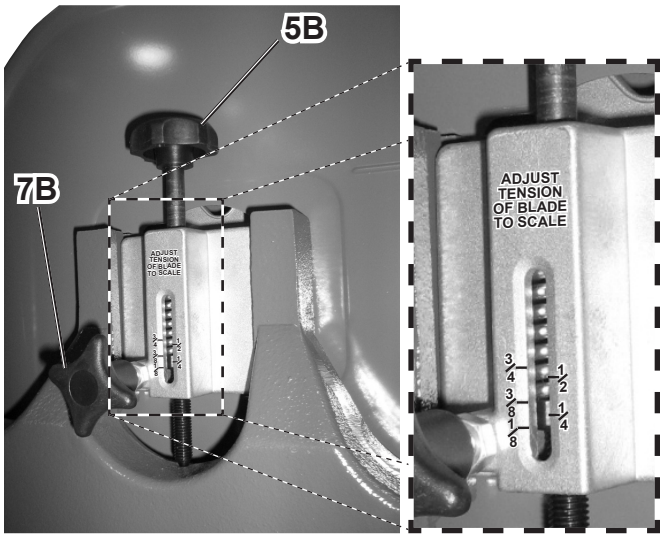
FIGURE FOR STEP 8-9



9. **Dust Chute Setup (Optional)**
If you will attach a dust collector to this bandsaw, attach the Dust Chute (22B) to the Lower Pulley Guard (21B) using the Bolts (70B) as shown above.

Saw Blade Tensioning and Tracking

FIGURE FOR STEPS 8-10 TO 8-13



10. The Saw Blade (20) tension is adjusted using the Blade Tension Knob (5B) on the back of the Fixed Pulley Guard (11B). Turn the Knob clockwise to increase tension and counterclockwise to decrease tension.

11. There is a scale on the Blade Tension Slider (4B), shown above. Turn the Blade Tension Knob (5B) clockwise until the top of the Nut (54B) aligns with the scale marking that corresponds with the width of the blade. For example, the included blade is 3/8" wide, so you would adjust the blade until the top of the Nut aligns with the 3/8 marking on the scale for that blade.

Note: Too much tension is a common cause of Saw Blade breakage and other unsatisfactory performance. Relieve the tension when the Bandsaw is not in use.

12. Adjust the Upper and Lower Guide Supports (27B, 31B) so that they do not contact the blade during tracking adjustment.

13. Loosen the Nut (51B) on the shaft of the Blade Tracking Knob (7B).

14. **WARNING! To prevent serious injury; adjust blade tracking only with the unit off and power cord unplugged.** Slowly turn the Upper and Lower Pulleys (16B, 19B) clockwise by hand and watch the Saw Blade to see whether it travels in the *center* of the Upper Pulley or not. If not, adjust the tracking as follows:
    - If the Saw Blade begins to creep toward the front edge of the Upper Pulley (16B), turn the Blade Tracking Knob (7B) clockwise 1/4 turn to draw the Saw Blade toward the back of the Upper Pulley.
    - If the Saw Blade begins to creep toward the back edge of the Upper Pulley (16B), turn the Blade Tracking Knob (7B) counterclockwise 1/4 turn to draw the Saw Blade toward the front of the Upper Pulley.

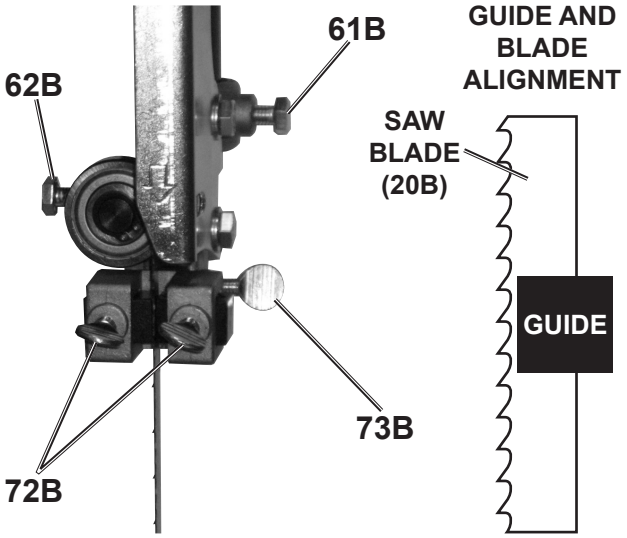
15. If any tracking adjustments were made, repeat step 13 until the Blade stays centered on the Upper Pulley for at least 5 turns or so.

16. Tighten the Nut (51B) on the Shaft of the Blade Tracking Knob (51B) after adjustment.

Guide and Bearing Adjustment

17. Only adjust guides and bearings after blade tension and tracking is properly adjusted.

FIGURE FOR STEPS 8-18 TO 8-21



18. Loosen the Bolt (61B) and make sure that the Upper Guide Support (27B) itself is aligned with the Saw Blade (20B).

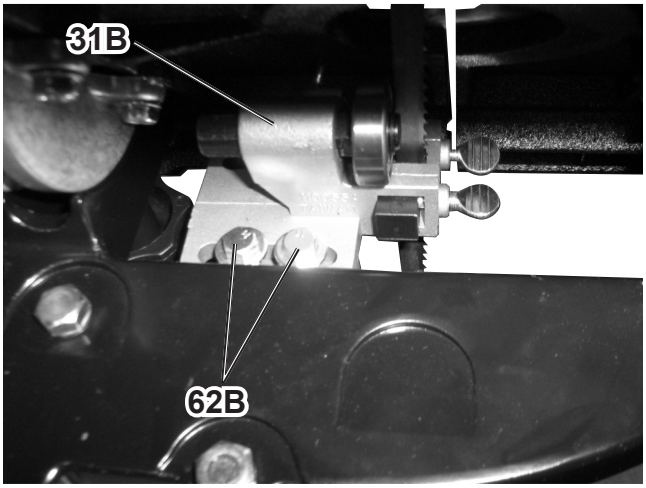
19. Loosen the Thumb Bolt (73B) on the side of the Upper Guide Support (27B) and adjust the Blade Guides' (29B) positions so that they line up with the flat portion of the Saw Blade (20B) without reaching the serrated edge; see Guide and Blade Alignment, above right. Tighten the Thumb Bolt after adjustment.

20. Loosen the two Thumb Bolts (72B) and move the upper Blade Guides (29B) as close as possible to the side of the Saw Blade without touching it. Then, tighten the Thumb Bolts.

21. Loosen the Bolt (62B) and adjust the Bearing (47B) to 1/64" (0.4mm) behind the Saw Blade. Then, tighten the Bolt.

22. Loosen the Knobs (15B) under the Table (36B) and pivot the Table forward as far as possible.

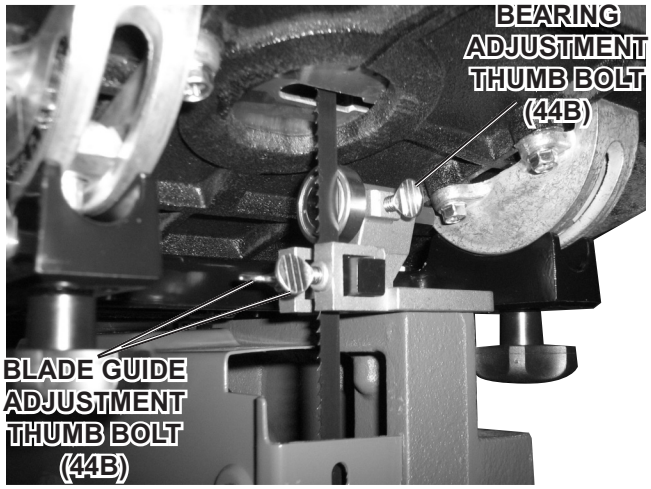
FIGURE FOR STEP 8-22



23. Loosen the Bolts (62B) on the side of the Lower Guide Support (31B) and adjust the Blade Guides' (32B) positions so that they line up with the flat portion of the Saw Blade (20B) without reaching the serrated edge; see Guide and Blade Alignment diagram above step 18. Tighten the Bolts (62B) after adjustment.

24. Pivot the Table (36B) backward as far as possible.

FIGURE FOR STEPS 8-25 TO 8-26



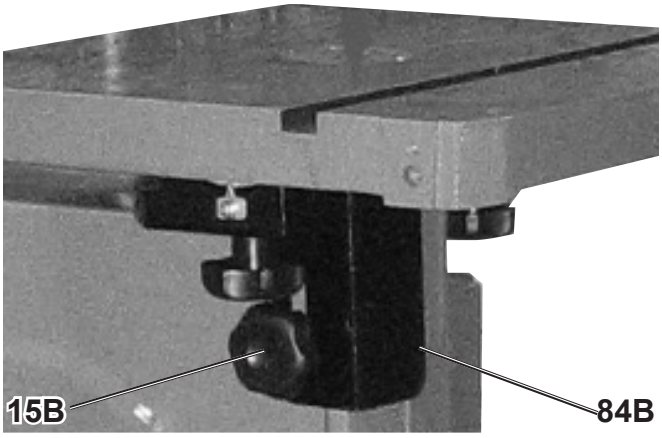
25. Loosen the two blade guide adjustment Thumb Bolts (44B) and move the lower Blade Guides (32B) as close as possible to the side of the Saw Blade without touching it. Then, tighten the Thumb Bolts.

26. Loosen the bearing adjustment Thumb Bolt (44B) and adjust the Bearing (47B) to 1/64” (0.4mm) behind the Saw Blade. Then, tighten the Thumb Bolt.

27. Return the Table (36B) to its normal position and secure with the Knobs (15B)

28. Replace the Upper and Lower Pulley Guards (14B, 21B), and secure them with the four Knobs (15B).

FIGURE FOR STEP 8-29

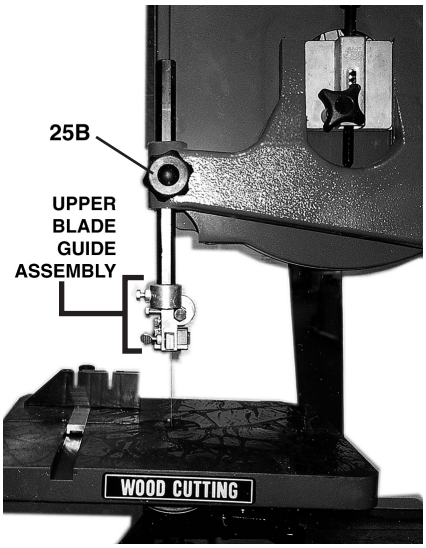


29. If a Dust Chute (22B) was not installed to the Lower Pulley Guard (21B), install the Lower Guide Cover (84B) onto the Stud (12B) under the table as you install the Knobs, see above. Adjust the Cover over the Guide assembly and secure the Cover in place with the Knob.

SETTINGS

⚠WARNING **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**
Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before making any adjustments to the tool.

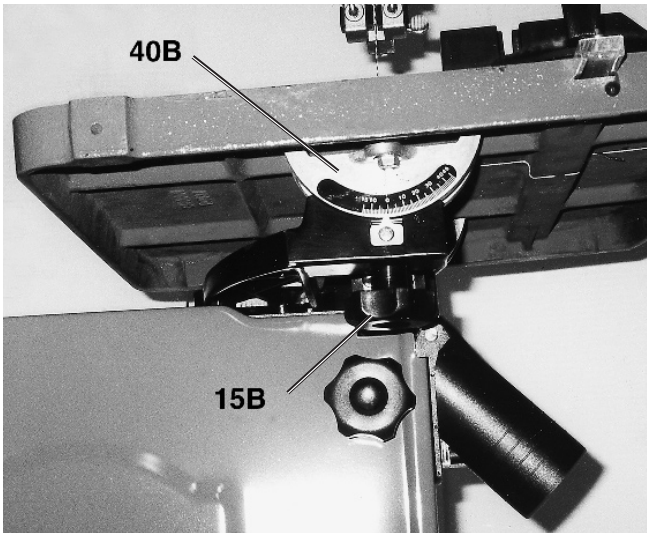
Blade Guide Adjustment



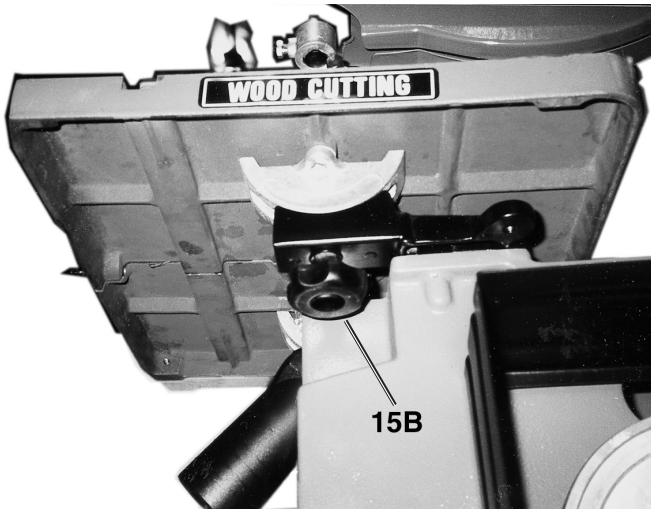
1. Loosen the Knob (25B) and set the Upper Guide Support (27B) as close as possible to the top surface of the material being cut.
2. Then, securely tighten the Knob (25B).

Table Angle Adjustment

FRONT SIDE



BACK SIDE



1. Loosen the two Knobs (15B) underneath the Table (36B).
2. Tilt the Table (36B) to the left or right until the Needle points to the desired angle on the Scale (40B). Then, securely tighten both Knobs (15B).

Blade Speed Adjustment - for SKU 32208 only

⚠WARNING TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before making any adjustments to the tool.

1. Remove the Side Panel (38A) and open the Pulley Cover (17A) to allow access.
2. Use the **Belt Installation** instructions on page 16 to change the Belt's position to the desired speed setting.
3. Replace the Side Panel and close the Pulley Case after changing the speed setting.

OPERATION

1. Before starting the Bandsaw make sure all adjustments are properly made and all of the guards are in place.
2. ***Before turning on the power***, make sure that nothing is obstructing the blade.
3. Keep the Upper Guide Support (27B) down as close to the material being cut as possible.
4. When turning on the Bandsaw, allow the machine to reach its full speed before cutting the material.
5.  **WARNING: TO PREVENT SERIOUS INJURY AND AMPUTATION: Keep hands out of cut line of blade at all times.**
6. **Do not force the material into the Saw Blade.** Light contact with the Saw Blade will permit easier following of the line and prevent undue friction, heating and work-hardening of the Saw Blade at its back edge.
7. Keep the Saw Blade sharp for easier forward pressure when cutting.
8. Move the material slowly and steadily against the Saw Blade.
9. Avoid twisting the Saw Blade when attempting to turn sharp corners. Remember to saw around corners.
10. When cutting curves, turn the material carefully so that the Saw Blade can follow the line without being twisted.
11. If a curve is so abrupt that it is necessary to repeatedly back up and cut a new kerf, a more narrow Saw Blade should be used.
12. After use, turn off bandsaw, remove switch key, unplug the power cord and allow the bandsaw to cool.
13. **CAUTION: TO PREVENT FIRE: Do not allow sawdust to accumulate inside the bandsaw.** After every use, when the bandsaw is cool, clean out the sawdust:
    a. Wear heavy-duty gloves, ANSI-approved safety goggles and NIOSH-approved dust mask/respirator.
    b. Remove the Lower Pulley Guard (21B).
    c. Clean the sawdust out with a brush or vacuum.
    d. Reassemble - replace the Lower Guide Cover (84B) when reassembling if the Dust Chute (22B) is not installed.
    e. A dust collector may reduce the need for this cleaning if used.

MAINTENANCE AND SERVICING

⚠WARNING **TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**

Turn the Power Switch of the tool to its "OFF" position and unplug the tool from its electrical outlet before making any adjustments to the tool.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation.
2. **Do not introduce water into the electric motor through the motor vents.**
3. **Do not use solvents to wipe off the Bandsaw, as damage may result.**
4. With a brush or soft cloth, remove all the sawdust from the Bandsaw.
5. If necessary, wipe with a damp cloth. You may use a mild detergent.
6. Once clean, lubricate all moving parts with a light oil.
7. When storing, keep the Bandsaw covered with a cloth cover.

Troubleshooting

1. **Motor will not start:**
   a. Band Saw is not plugged in.
   b. Household circuit has blown fuse or open circuit breaker.
   c. Power cord is damaged. Replace.
   d. Switch is not in "on" position.
   e. Motor requires service.
2. **Band Saw blade does not move although motor is running**:
   a. Blade tension knob is not tight. Turn motor off. Tighten knob. Restart band saw.
   b. Blade has slipped off pulley wheel. Open cover housing and check.
   c. Blade is broken. Replace blade.
3. **Blade will not cut or cuts slowly**:
   a. Teeth have been dulled by contact with hardened steel or long usage. Replace blade.
   b. Use higher speed setting.
   c. Blade mounted backwards.
4. **Sawdust in motor housing**:
   a. Use vacuum cleaner nozzle on air intake and exhaust grills.
   b. Keep workplace cleaner. Clean up excess sawdust frequently.
5. **Unable to get blade to track in driver of wheel:**
   a. Back bearing not properly adjusted.
   b. Tension Wheel not properly adjusted.
   c. Bad blade. Replace blade.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Note: Some parts are listed and shown on the following pages for illustration purposes only, and are not available individually as replacement parts.

ASSEMBLY DIAGRAMS AND PARTS LISTS

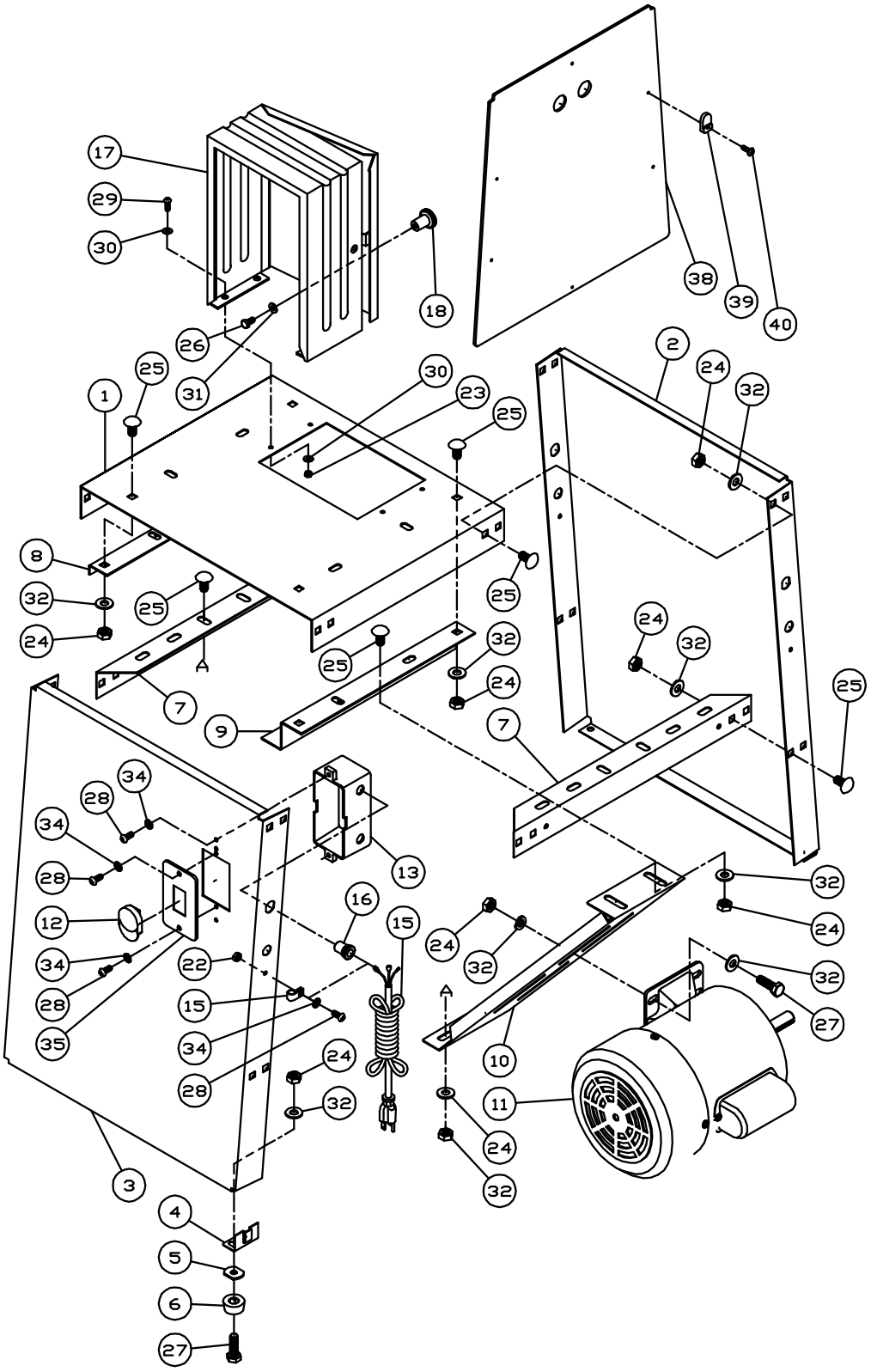
Parts List A - Stand

Part	Description	Size	Q'ty
1A	Mounting Plate		1
2A	Rear Panel		1
3A	Front Panel		1
4A	Foot Bracket		4
5A	Washer Nut		4
6A	Foot Pad		4
7A	Horizontal Brace		2
8A	Brace		1
9A	Motor Plate Bracket		1
10A	Motor Plate		1
11A	Motor		1
12A	Switch		1
13A	Switch Cover		1
14A	Power Cord		1
15A	Strain Relief		1
17A	Pulley Cover		1
18A	Pulley Cover Knob		1

Part	Description	Size	Q'ty
22A	Nut	3/16" x 24	2
23A	Nut	M5	4
24A	Nut	M8	32
25A	Carriage Bolt	M8 x 16	24
26A	Hex Head Bolt	M6 x 12	1
27A	Hex Head Bolt	M8 x 25	8
28A	Pan Head Bolt	3/16" x 1/2"	6
29A	Pan Head Bolt	M5 x 12	4
30A	Flat Washer	M5 x Ø10	8
31A	Flat Washer	M6 x Ø16	1
32A	Flat Washer	M8 x Ø18	36
33A	Lock Washer	M8	4
34A	Star Washer	M5	6
35A	Switch Plate		1
38A	Side Panel		2
39A	Relief Stop		12
40A	ST Screw	M3.5 x 12	12

Assembly Diagram A - Stand

Note: When ordering parts from Assembly Diagram A, include the suffix "A" after the part number.



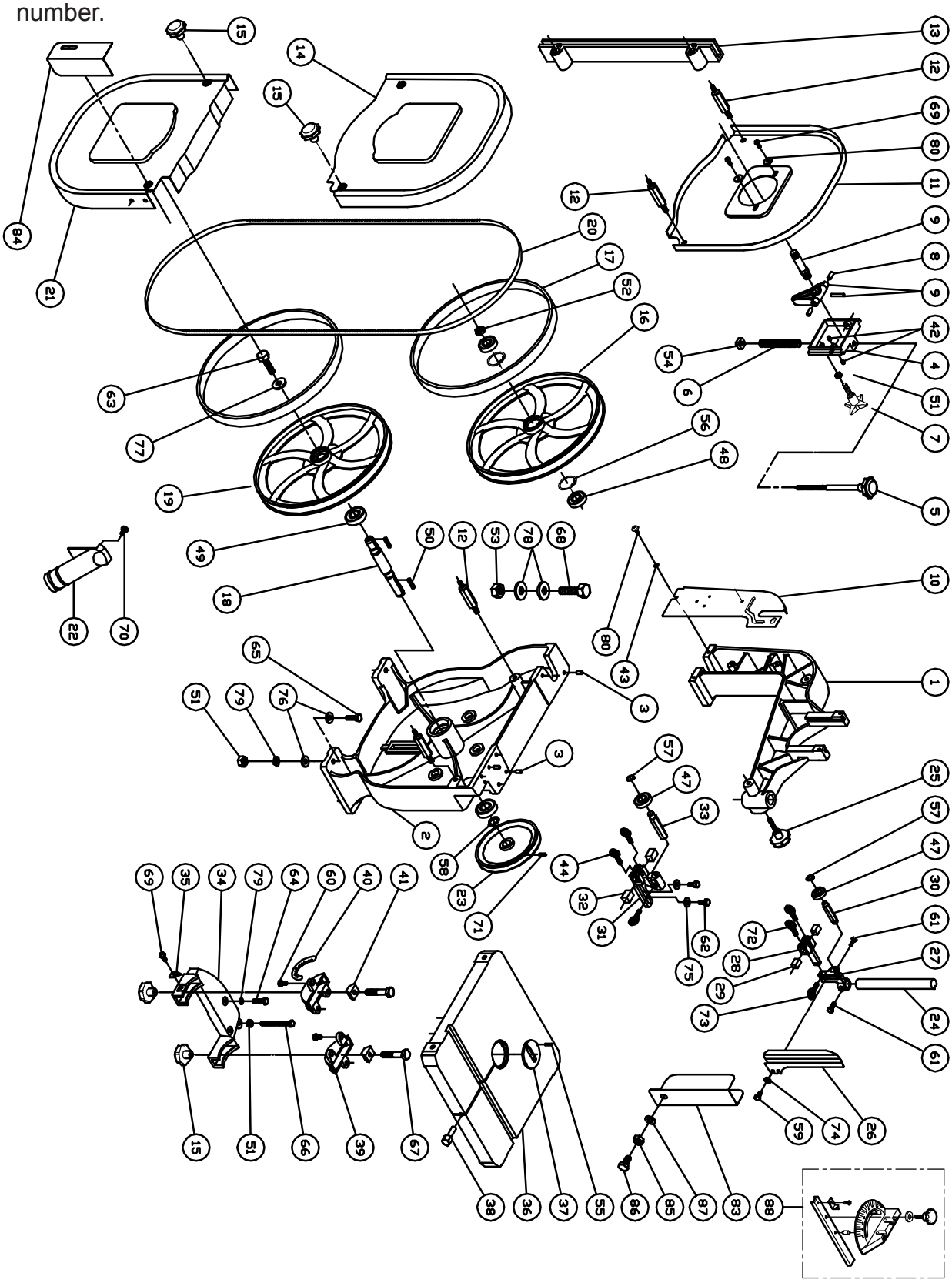
Parts List B - Saw Body

Part	Description	Size	Q'ty
1B	Upper Frame Arm		1
2B	Base		1
3B	Pin		4
4B	Blade Tension Slider		1
5B	Blade Tension Knob		1
6B	Spring		1
7B	Blade Tracking Knob	M8 x 45	1
8B	Pin		2
9B	Blade Tracking Ass'y		1
10B	Side Cover		1
11B	Fixed Pulley Guard		1
12B	Stud		4
13B	Column Blade Guard		1
14B	Upper Pulley Guard		1
15B	Knob	M10	6
16B	Upper Pulley		1
17B	Pulley Tire		2
18B	Lower Pulley Shaft		1
19B	Lower Pulley		1
20B	Saw Blade 6 TPI	92.5"x3/8"x.5mm	1
21B	Lower Pulley Guard		1
22B	Dust Chute		1
23B	Belt Pulley		1
24B	Guide Post		1
25B	Knob	M10 x 25	1
26B	Blade Guard		1
27B	Upper Guide Support		1
28B	Blade Guide Support		1
29B	Blade Guide		2
30B	Upper Spacing Sleeve		1
31B	Lower Guide Support		1
32B	Blade Guide		2
33B	Lower Spacing Sleeve		1
34B	Table Bracket		1
35B	Pointer		1
36B	Table		1
37B	Table Insert		1
38B	Table Pin		1
39B	Trunnion		2
40B	Scale		1
41B	Trunnion Clamp Shoe		2
42B	Set Screw		2

Part	Description	Size	Q'ty
43B	Flat Washer	M5 x Ø6	1
44B	Thumb Screw	M6 x 12	3
47B	Bearing	6200zz	2
48B	Bearing	6203z	2
49B	Bearing	6204z	2
50B	Key	5 x 5 x 20	2
51B	Nut	M8	6
52B	Nut	M12 x 1.25	1
53B	Nut	M16	1
54B	Square Nut	M10	1
55B	Spring Pin	Ø3 x 8	1
56B	Retaining Ring	R35	2
57B	Retaining Ring	S10	2
58B	Retaining Ring	S20	1
59B	Bolt	M6 x 10	2
60B	Lock Bolt	M6 x 12	6
61B	Bolt	M6 x 16	2
62B	Bolt	M6 x 20	2
63B	Bolt	M8 x 20 (LH)	1
64B	Bolt	M8 x 30	2
65B	Bolt	M8 x 40	4
66B	Bolt	M8 x 80	1
67B	Bolt	M10 x 50	2
68B	Bolt	M16 x 55	1
69B	Pan Head Lock Bolt	M5 x 6	3
70B	Pan Head Lock Bolt	M6 x 8	2
71B	Set Screw	M6 x 10	1
72B	Thumb Bolt	M6 x 12	2
73B	Thumb Bolt	M6 x 16	1
74B	Washer	M6 x Ø13	2
75B	Washer	M6 x Ø16	2
76B	Washer	M8 x Ø18	8
77B	Washer	M8 x Ø30	1
78B	Washer	M16 x Ø40	2
79B	Lock Washer	M8	6
80B	Pan Head Bolt	M5 x 10	1
83B	Guide Post Cover		1
84B	Lower Guide Cover		1
85B	Nut	M10	1
86B	Bolt	M10 x 20	1
87B	Washer	M10 x Ø20	1
88B	Miter Gauge Ass'y		1

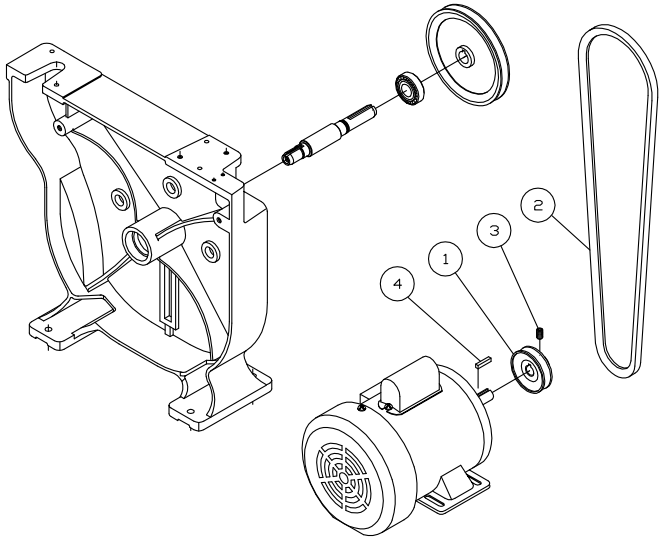
Assembly Diagram B - Saw Body

Note: When ordering parts from Assembly Diagram B, include the suffix “B” after the part number.



Assembly Diagram and Parts List C - Single Speed Pulley (32206)

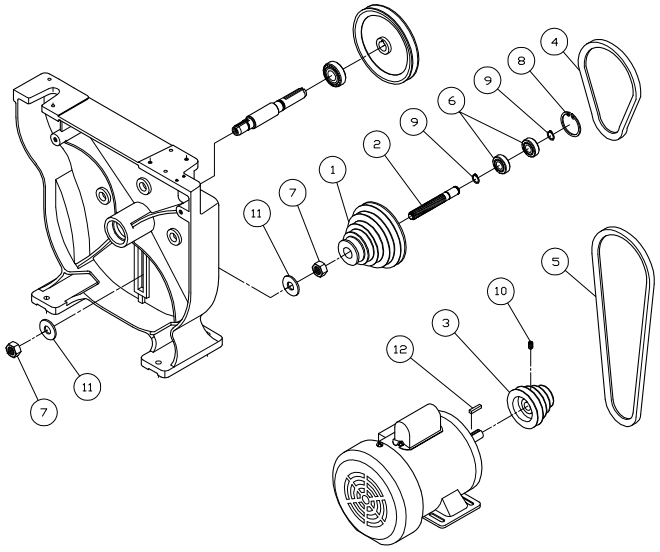
Note: When ordering parts from Assembly Diagram C, include the suffix “C” after the part number.



Part	Description	Size	Q’ty
1C	Motor Pulley		1
2C	V-Belt	A55	1
3C	Set Screw	M6 x 10	1
4C	Key	5 x 5 x 20	1

Assembly Diagram and Parts List D - Four Speed Pulleys (32208)

Note: When ordering parts from Assembly Diagram D, include the suffix “D” after the part number.



Part	Description	Size	Q’ty
1D	Middle Pulley		1
2D	Middle Pulley Shaft		1
3D	Motor Pulley		1
4D	V-Belt	A22	1
5D	V-Belt	A42	1
6D	Bearing	6202z	2
7D	Nut	M16	2
8D	Retaining Ring	R35	1
9D	Stop Ring	S15	2
10D	Set Screw	M6 x 10	1
11D	Washer	M16 x Ø40	2
12D	Key	5 x 5 x 40	

90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. This warranty is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and fitness.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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